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| 10/809,179 | 03/25/2004 | William O. Camp JR. | 9314-68 | 6824 |

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| EXAMINER |
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SAMS, MATTHEW C

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| ART UNIT | PAPER NUMBER |
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2617

| SHORTENED STATUTORY PERIOD OF RESPONSE | MAIL DATE | DELIVERY MODE |
|--|------------|---------------|
| 3 MONTHS | 01/25/2007 | PAPER |

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

| | | | |
|------------------------------|--------------------------------------|---|--|
| Office Action Summary | Application No. 10/809,179 | Applicant(s) CAMP, WILLIAM O. | |
| | Examiner Matthew C. Sams | Art Unit 2617 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 November 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,3-16 and 18-38 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,3-16 and 18-38 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

1. This office action is in response to the amendment filed on 11/2/2006.

Response to Arguments

2. Applicant's arguments filed 11/2/2006 have been fully considered but they are not persuasive.
3. In response to the applicant's arguments regarding claim 1 & 16 that Zhang does not teach "the user interface is configured to accept user input of pointer commands and wherein the controller and transmitter are configured to transmit the pointer commands over the wireless link to the remote electronic display", the examiner disagrees.

The applicant's definition of pointer commands is that they "may be generated by the controller 111 responsive to user input through a joy stick, directional key, touch sensitive pad, touch sensitive display, dial, etc. of the user interface 113." (Page 8 [1-13]) Although Zhang does not use the language of a "pointer commands", Zhang teaches the equivalent being an "application specific control interface" containing "graphical interface representations such as buttons and menus" (Page 5 [0061]) and specifically a "graphical interface with control buttons such as "play", "pause" and "fast forward"" (e.g. "pointer commands") wherein "activating one of these links..." (e.g. "pointer commands") "will result in the server receiving the control command and subsequently taking proper actions". (Fig. 6 and Page 5 [0062]) In other words, the mobile device receives the guidelines for a graphical user interface (GUI) specific to the

device that is being remotely controlled, creates the GUI, accepts user input commands and wirelessly transmits the commands to the remotely controlled device (helper device). (Fig. 1, Fig. 6a, Fig. 6b and Fig. 7 [S704 & S706]) Zhang specifically mentions using Bluetooth and IEEE 802.11 wireless LAN to communicate between devices (Pages 2-3 [0039-0040]) and gives the example of a "video display" (Page 5 [0062]). Therefore, Zhang teaches "the user interface is configured to accept user input of pointer commands and wherein the controller and transmitter are configured to transmit the pointer commands over the wireless link to the remote electronic display".

In response to the applicant's argument regarding claims 10 & 25 that "DuVal does not appear to include any disclosure related to an electronic display device having an Internet browser configured to receive image data and pointer commands from a handheld electronic device...wherein the Internet protocol browser is configured to provide the image data visually using the display responsive to the pointer commands from the handheld electronic device" (Page 10 Last Para), the examiner disagrees.

The applicant's definition of pointer commands is that they "may be generated by the controller 111 responsive to user input through a joy stick, directional key, touch sensitive pad, touch sensitive display, dial, etc. of the user interface 113." (Page 8 [1-13]) Although DuVal does not use the language of a "pointer commands", DuVal teaches the equivalent "using XML commands, internet access device 11 can be used to interrogate display device 10 (Typo in DuVal) to determine its control commands, and to generate an appropriate user interface. In this manner, internet access device 11, in addition to controls integrated into the display device 10, can be used for user control."

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(Page 2 [0016]) In other words, DuVal teaches HTML data (receive image data Page 1 [0008]) and pointer commands from the handheld electronic device (XML commands) and is responsive to the pointer commands from the handheld electronic device. (Page 2 [0016 & 0017]) Therefore, DuVal teaches an electronic display device having an Internet browser configured to receive image data and pointer commands from a handheld electronic device...wherein the Internet protocol browser is configured to provide the image data visually using the display responsive to the pointer commands from the handheld electronic device.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 1, 3-9, 16, 18-24, 31, 32, 35 and 36 are rejected under 35 U.S.C. 102(b) as being anticipated by Zhang (US 2003/0054794).

Regarding claims 1 and 16, Zhang teaches a handheld electronic device (Fig. 1 [30]) comprising memory configured to store image data within the handheld electronic device; (Page 2 [0027])

a transmitter configured to provide a wireless link with a remote electronic display ;(Fig. 1 [30], Page 2 [0027] and Page 3 [0040])

a controller coupled to the memory and to the transmitter wherein the controller is configured to provide the image data in an Internet protocol format and wherein the transmitter is configured to transmit the image data over the wireless link in the Internet protocol format; (Page 2 [0028-0032], Page 3 [0040-0047] and Page 5 [0061]) and

a user interface coupled to the controller wherein the user interface is configured to accept user input of pointer commands and wherein the controller and transmitter are configured to transmit the pointer commands over the wireless link to the remote electronic display. (Page 2 [0027-0032] and Page 5 [0061-0062])

Regarding claims 3 and 18, Zhang teaches the pointer commands are transmitted in the Internet protocol format. (Page 5 [0061-0062])

Regarding claims 4 and 19, Zhang teaches the pointer commands are transmitted in a format other than the Internet protocol format. (Page 1 [0008] e.g. the proprietary project "Pebbles")

Regarding claims 5 and 20, Zhang teaches the transmitter comprises a short range transmitter, the handheld electronic device further comprises a long range transceiver to provide long-range communications. (Pages 2-3 [0039-0040])

Regarding claims 6 and 21, Zhang teaches the transmitter is configured to provide a wireless link according to at least one of a WiFi standard, a Bluetooth standard and/or an infrared standard. (Page 3 [0040])

Regarding claims 7 and 22, Zhang teaches the Internet protocol format comprises at least one of HTML and/or XML. (Page 5 [0061])

Regarding claims 8 and 23, Zhang teaches the controller further provides at least one of a contacts database, a calendar, an e-mail transmitter/receiver, a digital music player and/or a wireless Internet browser. (Page 2 [0039] and Page 5 [0064-0067])

Regarding claims 9 and 24, Zhang teaches the image data comprises a slide presentation. (Page 1 [0008])

Regarding claims 31 and 35, Zhang teaches a transmitter (Page 3 [0040-0042] Bluetooth, 802.11...) is configured to provide the wireless link with the remote electronic display (Fig. 1 [24]) including an Internet protocol browser (Fig. 3 [90 & 96], Page 3 [0047] and Page 5 [0067]), wherein the pointer commands are used to control a pointer function of the Internet protocol browser of the remote electronic display (Page 5 [0061-0062] control command), and wherein the controller and the transmitter are configured to transmit the pointer commands over the wireless link to the remote electronic display to control the pointer function of the Internet protocol browser. (Page 5 [0061-0062], Fig. 6a & Fig. 6b)

Regarding claims 32 and 36, Zhang teaches the controller is configured to act as a server with respect to the browser of the remote electronic display acting as a client. (Page 5 [0062])

6. Claims 10-15, 25-30, 33, 34, 37 and 38 are rejected under 35 U.S.C. 102(b) as being anticipated by DuVal et al. (US 2001/0054114 hereafter, DuVal).

Regarding claims 10 and 25, DuVal teaches an electronic display device (Fig. 1 [10] and Page 1 [0009]) comprising a display configured to display electronic data (Page 1 [0008-0010]), an Internet protocol browser, wherein the Internet protocol browser is

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configured to receive image data and pointer commands from a handheld electronic device without a wired coupling to the handheld electronic device, wherein the image data is received at the Internet protocol browser in an Internet protocol format, and wherein the Internet protocol browser is configured to provide the image data visually using the display responsive to the pointer commands from the handheld electronic device. (Page 1 [0005, 0008-0012] and Page 2 [0015-0019])

Regarding claims 11 and 26, DuVal teaches the display comprises at least one of a monitor and/or a projector. (Fig. 1 [10] and Page 1 [0009])

Regarding claims 12 and 27, DuVal teaches the pointer commands are received at the Internet protocol browser in the Internet protocol format. (Page 1 [0013] and Page 2 [0021])

Regarding claims 13 and 28, DuVal teaches the pointer commands are received at the Internet protocol browser in a format other than the Internet protocol format. (Page 2 [0022])

Regarding claims 14 and 29, DuVal teaches the Internet protocol format comprises at least one of HTML and/or XML. (Fig. 1, Page 2 [0016] and Page 3 [0029])

Regarding claims 15 and 30, DuVal teaches the image data comprises a slide presentation. (Page 1 [0008])

Regarding claims 33 and 37, DuVal teaches the pointer commands are used to control a pointer function of the Internet protocol browser. (Page 2 [0016-0017])

Regarding claims 34 and 38, DuVal teaches the browser is configured to act as a client with respect to a controller of the hand held electronic device acting as a server.

(Page 2 [0016-0017])

Conclusion

7. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Matthew C. Sams whose telephone number is (571)272-8099. The examiner can normally be reached on M-F 7:30-5.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lester Kincaid can be reached on (571)272-7922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MCS

1/12/2007



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